

*Amended
by PA*

10/500857
Rec'd PET/PTO 19 JUL 2004

ABSTRACT

TRANSMITTER

A transmitter including: a sensor (1), which serves for registering a physical parameter (X) and transducing such into an electrical quantity; a signal pre-processor (3), which serves for converting the electrical quantity into a raw signal (R); a signal processor (4), which serves for converting the raw signal (R) into a measurement signal (M); an output stage (7), which serves for issuing an output signal corresponding to the measurement signal (M); and a monitoring unit (9), which in operation compares the output signal with an auxiliary signal (H) derived from the raw signal (R) and triggers a safety-directed adjustment of the output signal, when a difference between the output signal and the auxiliary signal (H) exceeds a predetermined limit.

(Fig. 1)